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By Kustine d. Konso

(Signature of person mailing)

Kristina L. Konstas

(Typed or printed name of person)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: J. Timothy Greenamyre et:

al.

APPLICATION SERIAL NO.: 09/148,973 : Examiner:

FILING DATE: September 4, 1998 : Group Art Unit: 1614

TITLE: METHODS OF ADMINISTERING AN:

AMPA RECEPTOR ANTAGONIST TO TREAT DYSKINESIAS ASSOCIATED

WITH DOPAMINE AGONIST

THERAPY

Hon. Commissioner for Patents and Trademarks

Washington, D.C. 20231

Sir:

REQUEST UNDER 37 CFR §1.19 TO CORRECT FILING RECEIPT

Applicants hereby request under 37 CFR §1.19 (and any other applicable section of 37 CFR) that a corrected Filing Receipt be issued in connection with the above-identified application. Applicants request issuance of a corrected Filing Receipt on the basis that the most recently issued Filing Receipt (form PTO-103X) contains the following error:

1) it incorrectly spells out the word METHODS in the title.

The most recently issued Filing Receipt erroneously spells out the word METHODS as METODS.

Accordingly, applicants respectfully request a new Filing Receipt without the above error. A copy of the most recently issued Filing Receipt is attached hereto with the changes which should be made indicated in red ink.

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Applicants maintain that they did not cause the error in the most recently issued Filing Receipt since the title on the first page of the application as filed correctly spells the word METHODS, and since the Transmittal form filed with the application also correctly spells the word METHODS. A copy of the application's first page and Transmittal form are attached hereto.

Since Applicants did not cause the error on the Filing Receipt, Applicants therefore maintain that no fee is necessary in connection with this Request. However, if any fee is deemed necessary in connection with this Request, such fee may be charged to Deposit Account No. 16-1445.

Respectfully submitted,

KRISTINA L. KONSTAS

Pfizer Inc

Patent Dept., 20th Floor 235 East 42nd Street New York, NY 10017-5755 (212) 733-6380

Date: Mecember 14, 1998

Attorney for Applicant (s) Reg. No. 37,864

PTO-103X (Rev. 8-95)

FILING RECEIPT

CORRECTED



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
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PAUL H GINSBURG PFIZER INC PATENT DEPT 235 EAST 42ND STREET NEW YORK NY 10017-5755

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

J.TIMOTHY GREENAMYRE, ATLANTA, GA; BERTRAND L. CHENARD, WATERFORD, CT; WILLARD M. WELCH, MYSTIC, CT; FRANK S. MENNITI, MYSTIC, CT.

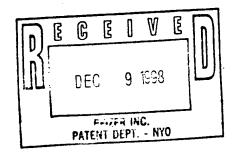
FOREIGN FILING LICENSE GRANTED 09/23/98

TITLE

METODS OF ADMINSTERING AN AMPA RECEPTOR ANTAGONIST TO TREAT DYSKINESIAS ASSOCIATED WITH DOPAMINE AGONIST THERAPY

PRELIMINARY CLASS: 514

METHORS



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DATA ENTRY BY: WASHINGTON, LINDA TEAM: 06 DATE: 12/02/98

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METHODS OF ADMINISTERING AN AMPA RECEPTOR ANTAGONIST TO TREAT DYSKINESIAS ASSOCIATED WITH DOPAMINE AGONIST THERAPY

This Application claims the benefit of U.S. Provisional Application No. 60/057,965, filed September 5, 1997.

Background Of The Invention

This invention relates to a method of administering an AMPA receptor antagonist to treat dyskinesias in mammals, such as humans, resulting from the use of dopamine agonist therapy. Dopamine agonist therapy, as referred to in the present invention, is generally used in the treatment of a central nervous system disorder such as Parkinson's disease.

Dyskinesias are involuntary physical movements which may include chorea, tremor, ballism, dystonia, athetosis, myoclonus and tic. Dyskinesias often result from treatment of the physical symptoms of Parkinson's disease. Parkinson's disease is characterized by tremor, rigidity, bradykinesia and postural instability. Such motor abnormalities may be reduced by therapies which increase dopamine receptor stimulation. These therapies include drugs which directly stimulate dopamine receptors (such as bromocriptine) or increase the levels of dopamine (such as L-dopa or drugs which inhibit dopamine metabolism). In the present invention, such therapies which increase dopamine receptor stimulation are referred to generally as dopamine agonist therapy. After a period of chronic administration of dopamine agonist therapy to treat Parkinson's disease, new motor abnormalities may emerge. The motor abnormalities associated with dopamine agonist therapy include choreatic dyskinesias and dystonias. The present invention relates to the treatment of dyskinesias associated with dopamine agonist therapy in the treatment of a central nervous system (CNS) disorder, in particular Parkinson's disease, through the administration of an AMPA receptor antagonist.

The agent that may be used in accord with the present invention is an antagonist of the AMPA subtype of the glutamate receptor. Glutamate is the principal excitatory neurotransmitter in the central nervous system of mammals. Glutamate synaptic transmission is mediated by several families of receptors including the α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA), N-methyl-D-aspartate (NMDA), kainic acid (KA), and metabotropic receptors. The AMPA receptor subtype mediates fast excitatory transmission throughout the brain, including areas involved in movement. By inhibiting the AMPA receptor through administration of an AMPA receptor antagonist, dyskinesias associated with dopamine agonist therapy may be treated in accord with the present invention as described below.

AMPA receptor antagonists are referred to in several published patents including the following issued United States patents (listed by patent number followed by issue date in parentheses): 5,654,303 (August 5, 1997); 5,639,751 (June 17, 1997); 5,614,532 (March 25, 1997); 5,614,508 (March 25, 1997); 5,606,062 (February 25, 1997); 5,580,877 (December 3,

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oved for use through 09/30/2000. OMB 0651-0032 nark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION

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